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AM5023898

19

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Electrical modeling of problems of the dynamics of certain mechan-  
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SUB CODE: DP, MA / SUBM DATE: 19Feb65 / ORIG REF: 355 / OTH REF: 033

CC  
Card 9/9

ACQ. NUM: ATR005206

SOURCE CODE: UR/0000/66/000/000/0236/0245

AUTHOR: Pukhov, G. Ye.

ORG: none

TITLE: General theoretical problems of multivariant object control by means of inverse operators

SOURCE: Vsesoyuznaya konferentsiya-seminar po teorii i metodam matematicheskogo modelirovaniya. 4th, Kiev, 1964. Vychislitel'naya tekhnika v upravlenii (Computer technology in control engineering); trudy konferentsii. Moscow, Izd-vo Nauka, 1966, 236-245

in control theory, function analysis, function-

ADSTRACT: Two fast acting adaptive control systems for multivariant objects are described. The systems are based on the concept of inverse operators formulated in earlier works by the author and others. A multivariant system can be described by an equation of the form

$$A(x, \dot{x}, \dots, x^{(n)}, F, u) = 0, \quad (1)$$

where  $A$  is an operator defining the mathematical relations between the vector  $x$ , its time derivatives  $x^{(k)}$ , vector  $u$  of the controlling quantity, and vector  $F$ , correspond-

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L 0004-67

ACC NR: AT6029236

ing to the external influences. The vector functions are continuous and have a finite number of derivatives with respect to time. It is assumed that the control of the object consists of finding vector  $x$ , which satisfies

$$B(\epsilon, H, x) = 0, \quad (2)$$

$$\mu = \|\epsilon\| < m, \quad (3)$$

where  $B$  is an operator defining the relation between a certain given vector  $H = H(t)$ , vector  $x$  and a vector representing the deviations (errors, noncongruities, etc), and  $m$  is a number specifying the accuracy of the control. It is further assumed that the relations given by the operators  $A$  and  $B$  are single-valued. The essence of the inverse operator method is in the use of a control system consisting of a combination of computing units, which are designed to realize transformations inverse to those which occur to the corresponding variables in the object itself and in the measuring-computing units for the generation of the deviation vectors. The method of inverse operators can be realized in two variants: algorithmic and nonalgorithmic. Figure 1 shows the block diagram of the nonalgorithmic inverse operator control system for a multivariant object. In this figure, 1 is the multivariant object described by equation (1), 2 is the measuring and computing unit, designed to generate vector  $\epsilon$  according to (2); 3 can be either amplifiers, or integrators, depending on the form of  $\epsilon$ ; 4 is the computing system for solving of the equation (2) by means of substitution of  $\epsilon$  by  $e$ ,  $\epsilon$  and  $x$  by  $y$ , i. e., by generating an inverse operator; 5 is the computing

C.R.D. 2/4

ACC N&amp; ATC025236

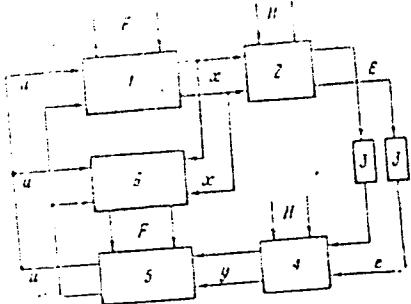


Fig. 1

system for solution of (1) with respect to vector  $u$ ;  $\theta$  is the computing system for solving (1) with respect to vector  $F$ . The algorithmic inverse operator control system, shown in figure 2, differs from the one shown in figure 1 with respect to the purpose of the computing units 5 and 6. In this system, the computation is carried out using finite differences, rather than the analogues of equation (1), i. e., the equation of the form

$$A \left( y_i - \frac{y_i - y_{i-1}}{h}, F_i, u_i \right) = 0$$

The units 7 and 8 measure and accumulate the components of vectors  $x$  and  $y$  at discrete

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L 09274-67

ACC NR: AT6029236

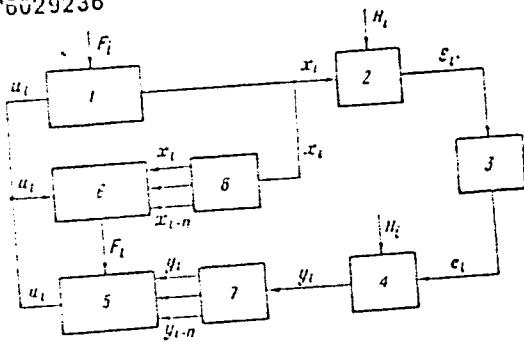


Fig. 2

sampling intervals. The control system can be fabricated using conventional logic elements. An analysis of the system's stability with nonalgorithmic control and with an inertia-free object is given. The convergence process of algorithmic control of an object with inertia and system's organization for handling control of objects with incomplete initial information are also discussed. The experimental evaluation of the inverse operator control system confirmed its fast response. Orig. art. has: 6 figures, 35 formulas.

SUB CODE: 09/

SUBM DATE: 12Feb66/

ORIG REF: 016

ACC NR: AM6029766

Monograph

UR/

Pukhov, Georgiy Yevgen'yevich; Zhuk, Konstantin Danilovich

Application of the inverse operator method in the synthesis of multivariable control systems (Sintez mnogosvyaznykh sistem upravleniya po metodu obratnykh operatorov) Kiev, Naukova dumka, 1966. 217 p. illus., biblio. (At head of title: AN UkrSSR. Institut kibernetiki) 4000 copies printed.

TOPIC TAGS: automatic control theory, automatic control design, control system instability, multivariable automatic control, multivariable control synthesis, inverse operator method

PURPOSE AND COVERAGE: This book presents the basic principles of designing multivariable automatic control systems and the solution of the synthesis problem for such systems utilizing the method of inverse operators which have lately occupied a prominent place in the theory of computing systems, applied problems of communication theory, and the theory and application of automatic control systems. The book contains recent original results obtained by the authors.

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Bibliography -- 216

SUB CODE: 12,09/ SUBM DATE: 22Feb66/ SOV REF: 080/ OTH REF: 011/

Card 2/2

L 26564-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) BC

ACC NR: MP6017392

SOURCE CODE: UR/0410/65/000/001/C076/0083

AUTHOR: Pukhov, G. Ye. (Kiev)

ORG: none

TITLE: Some methods of equilibration of electric circuits [This paper was presented at the 6th All-Union Conference on Automatic Control and Methods of Electrical Measurements held at Novosibirsk in Sept., 1964] 14

SOURCE: Avtometriya, no. 1, 1965, 76-83

TOPIC TAGS: measuring apparatus, computer component

ABSTRACT: Methods are analysed which are of significance in planning and usage of measuring and computer devices. These methods allow performance of automatic and manual selection of voltages or currents of some sources of passive parameters of electric circuits in order that the result might be the zero-potentializing of certain currents, or their equipotentialization. Special attention is turned to special methods which take the characteristics of the electric circuits into consideration and allow assurance of the required convergence of the equilibration processes. Orig. art. has: 9 figures and 28 formulas. [JPRS]

SUB CODE: 14, 09 / SUBM DATE: 12Sep64 / ORIG REF: 007

Card 1/1

UDC: 621.3.061

2

L 6747-65 EWT(1)/EPA(s)-2 Pt-10 IJP(c)/ASD(a)-5/AS(mp)-2/ASD(m)-3/ESD(gs)/  
ACCESSION NR: AP4043867 RAEM(t) GG S/0139/64/000/004/0068/0071

65  
64

AUTHORS: Petrakovskiy, G. A.; Nayden, Ye. P.; Pukhov, I. K.

TITLE: Dependence of the rate of spin wave damping on the temperature

γ

SOURCE: IVUZ. Fizika, no. 4, 1964, 68-71

TOPIC TAGS: spin wave magnetostriiction, temperature dependence, ferromagnetic resonance, ferrite microstructure, crystal lattice structure

ABSTRACT: The method is based on the relation between the spin-wave damping decrement  $\eta_k$  and the spin-wave ferromagnetic resonance line width  $\Delta H_k$ . The latter is given by  $\Delta H_k = 2\eta_k/|\gamma|$ , where  $|\gamma|$  -- modulus of magnetomechanical ratio. The authors have determined  $\Delta H_k$  experimentally by parametric excitation of the spin wave with a micro-

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L 6747-65  
ACCESSION NR: AP4043867

wave magnetic field, described by one of the authors earlier (G. A. Petrakovskiy, Voprosy radioelektroniki, seriya III, no. 6, 144, 1962). The procedure consisted of applying a microwave pulse 1.9  $\mu$ sec in duration, with 200 cps repetition frequency, to a cavity of  $Q = 1130$  and resonant frequency 9090 Mc and containing the sample. The signal reflected from the resonator was observed on a pulse oscilloscope screen. The temperature dependence of the spin-wave relaxation in the single-crystal ferrites was measured from room temperature (300K) to the Curie point. The samples constituted single-crystal yttrium and manganese ferrites magnetized in [111] directions. The measurements showed the temperature dependence of the spin wave damping to agree with the theoretical expression and the variation of  $\Delta H_k$  with temperature to be essentially analogous to the corresponding dependence of the ferromagnetic resonance line width of homogeneous procession of magnetization. The initial variation of  $\Delta H_k$  is found to be connected with the degree of ordering of the ions.

Card 2/4

L 6747-65

ACCESSION NR: AP4043867

in the crystal lattice sites. Orig. art. has: 7 figures and 3 formulas.

ASSOCIATION: Sibirskiy fiziko-tehnicheskiy institut pri Tomskom gosuniversitete imeni V. V. Kuyby\*sheva (Siberian Physicotechnical Institute at the Tomsk State University)

SUBMITTED: 05Feb63

ENCL: 01

SUB CODE: SS-NP

NR REF SOV: 002

OTHER: 001

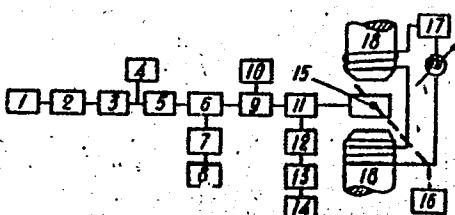
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L 6747-65  
ACCESSION NR: AP4043867

ENCLOSURE: 01

O

Fig. 1. Block diagram of experimental set-up.



1 - magnetron oscillator; 2 - fixed attenuator;  
3, 7 - ferrite gate; 4 - wavemeter; 5, 12 -  
variable-attenuator block; 6 - waveguide/  
switch; 8 - klystron oscillator, 9, 11 -  
directional couplers, 10 - power meter;  
13 - detector section; 14 - oscilloscope;  
15 - cavity with sample; 16 - sample tempe-  
rature control system; 17 - electromagnet/  
power supply; 18 - electromagnet

Card 4/4

L 8601-66

ACCESSION NR: AP5021170

AUTHOR: Petrakovskiy, G. A.; Pukhov, I. K.

UR/0139/65/000/004/0072/0075

TITLE: Anisotropy and temperature dependence of spin wave damping in single crystals of ferrites

414B

SOURCE: IVUZ. Fizika, no. 4, 1965, 72-75

TOPIC TAGS: ferrite, single crystal, line width, spin wave, temperature dependence

ABSTRACT: The temperature dependence of the anisotropic part of the spin-wave width of the ferromagnetic resonance line was investigated experimentally using single crystals of magnesium-manganese and lithium ferrites. The anisotropic part of the line width was defined as the difference between the spin-wave line widths measured for magnetization of a spherical sample along the [111] and [100] directions. The measurements were carried out by the method of parametric excitation of spin waves by a longitudinal high-frequency magnetic field. The field for which the spin waves are excited most easily, investigated for a sample of magnesium-manganese ferrite, was found to agree with previous theoretical calculations. The spin-wave line width was found to be highly anisotropic. The temperature dependence of the anisotropy obtained experimentally cannot be explained theoretically if one takes into account only the scattering mechanism proposed for spin waves

Card 1/2

L 8601-66

ACCESSION NR: AP5021170

with  $k = 0$  by H. B. Collen and E. Pitteli (Phys. Rev. v. 119, 1523, 1960). In this case it can be assumed that the presence of impurities of divalent ions of iron is important. Orig. art. has: 4 figures and 1 formula.

ASSOCIATION: Sibirskiy fiziko-tehnicheskiy institut imeni V. D. Kuznetsova  
(Siberian Physicotechnical Institute) 44, 55

SUBMITTED: 29Dec63

ENCL: 00

SUB CODE: SS

NR REF Sov: 003

OTHER: 003

Card 2/2 PW

PETRAKOVSKIY, G.A.; PUKHOV, I.K.

Anisotropy and temperature dependence of the damping parameter  
of spin waves in ferrite single crystals. Izv. vys. ucheb. zav.;  
fiz. 8 no.4:72-75 '65. (MIRA 18:12)

1. Sibirskiy fiziko-tehnicheskiy institut imeni V.D. Kuznetsova.  
Submitted December 29, 1963.

L 17137-65 EWT(1)/T AFWL/AS(mp)-2/SSD/ASD(a)-5/AFETR/RAEM(c)/RAEM(i)/  
ESD(gs)/ESD(t)/IJP(c)

ACCESSION NR: AP5000556

S/0051/64/017/006/0944/0946

AUTHOR: Aleksandrov, I. V.; Pukhov, K. K.

TITLE: Contribution to the theory of EPR spectra of molecules in the triplet state in  
polycrystals

SOURCE: Optika i spektroskopiya, v. 17, no. 6, 1964, 944-946

TOPIC TAGS: electron paramagnetic resonance, line splitting, spin orbit interaction,  
dipole dipole interaction, triplet state, polycrystal

ABSTRACT: The constants for the splitting of the triplet level due to magnetic dipole  
dipole interaction of the unpaired electron spin or due to the spin-orbit interaction are  
determined for the case of molecules with arbitrary symmetry. The first and second  
moments of the absorption lines, which are functions of the splitting constants, are  
calculated and a relation is established between these moments (which can be readily  
observed in experiment) and the splitting constants. In the case of a strong field, a  
formula is derived making it possible to determine the concentration of triplet molecules

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L 17137-65

ACCESSION NR: AP5000556

in a sample relative to the concentration of free radical of a reference sample. The results of these formulas were found to agree with those obtained by other methods.  
Orig. art. has: 10 formulas.

ASSOCIATION: None

SUBMITTED: 27Nov63

ENCL: 00

SUB CODE: OP, NP NR REF SOV: 000

OTHER: 006

Card 2/2

PUKHOV, M.S.

Measures for controlling ragweed. Zashch. rast. ot vred. i bol.  
6 no.12:40 D '61. (MIRA 16:5)

1. Glavnyy agronom sovkhoza "Staromar'yevskiy" Stavropol'skogo  
kraya.

SOKOLOV, D.K.; ALEXANDROVA, A.I.; GIGIYA, V.D.; KUPRIYANOVA, A.A.;  
NIKOLAYEVA, L.A.; PUKHOV, N.M.

Experience in organizing a free donor service in Kurgan Province.  
Probl. gemat. i perel. krovi 9 no.1:52-5 Ja '64.

(MIRA 18:1)

1. Iz donorskogo komiteta pri Kurganskom oblastnom zdravootdelenii  
(zav. N.A. Rokina).

PUKHOV, P., kand. tekhn. nauk

Performance of suction dredges with a slitlike mouth. Part,  
transl. 24 no.3:47-48 '65.

PUKHOV, P.P.

PUKHOV, P.P., Cand Tech Sci -- (diss) "Study of the performance of hydraulic soil looseners with suction dredge apparatus." Gor'kiy, 1958. 20 pp with ill (Min of River Fleet RSFSR. Gor'kiy Inst of Engineers of Water Transport). 100 copies (KL, 20-58, 98)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343610005-8

1. [REDACTED] (SECRET)  
2. [REDACTED] (SECRET)  
3. [REDACTED] (SECRET)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343610005-8"

BASKIROV, Valentin Dmitriyevich, dets., kand. tekhn. nauk;  
NIKONOV, Pavel Petrovich, dets., kand. tekhn. nauk;  
VLASOV, A.A., inzh., retsenzent; BABURIN, B.B., inzh.,  
retsenzent; VITASHKINA, S.A., red.

[Design of boats of the dredging and maintenance fleet]  
Ustrojstvo sudov tekhnicheskogo flota. Moskva, Trans-  
port, 1964. 275 p. (MIRA 18:2)

PUKHOV, V.A.

Pathogenesis and compound treatment of CO poisoning. Biul. eksp.  
biol. i med. 60 no.11:39-42 N '65. (MIRA 19-1)

1. Vojennno-meditsinskaya ordena Lenina akademiya imeni S.M. Kirova.  
Nauchnyy rukovoditel' laboratorii - deystvitel'nyy chlen AMN SSSR  
prof. I.R. Petrov, Leningrad. Submitted April 23, 1964.

PUKHOV, V.A.

Prevention and treatment of cerebral anemia in mice. Pat. fiziol.  
i eksp. terap. no.2:85-86 '64. ('MIRA 17:9)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova  
(nauchnyy rukovoditel' raboty - deystvitel'nyy chlen AMN SSSR  
prof. I.R.Petrov), Leningrad.

Metallurgical Abst.  
Vol. 21 Apr. 1954  
Joining

\*Arc Welding of magnesium-Base Alloys with a Coated Electrode. T. A. Pukhon [Metal. Industriya 1953, 24, (2), 11-12]. (In Russian). Welding tests of Mg alloys with a new electrode coating of high technological properties, contg. KCl, NaCl, BaF<sub>2</sub>, and Na<sub>2</sub>AlF<sub>6</sub>, are described. The mech. properties of the welded joints are as good as those of the cast alloy, but 40% lower than those of the wrought alloy, owing probably to the coarse cryst. structure of the welds.

—S. K. L.

PUKHOV, V.

Reduce the amount of time spent in loading and unloading operations.  
Muk.-elev.prom. 22 no.4:29-30 Ap '56. (MLRA 9:8)

1. Moskovskaya normativno-issledovatel'skaya stantsiya Zagotzerno.  
(Loading and unloading) (Grain handling)

PUKHOV, V.A.

Influence of adrenal cortex insufficiency and hyperfunction on  
the sensitivity of rats and mice to carbon monoxide poisoning.  
Farm. i toks. 27 no.3:343-345 My-Je '64.

(MIRA 18:4)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova  
(nauchnyy rukovoditel' - deystvitel'nyy chlen AMN SSSR prof.  
I.R.Petrov), Leningrad.

(N) L 11619-66  
ACC NR: AP6001689

SOURCE CODE: UR/0396/65/009/006/0072/0073

63  
B

AUTHOR: Pukhov, V. A.

ORG: Scientific-Research Laboratory of the Military-Medical Academy of the Order of Lenin im. S. M. Kirov, Leningrad<sup>55</sup>(Nauchno-issledovatel'skaya laboratoriya voyenno-meditsinskoy ordena Lenina akademii)

TITLE: UHF electromagnetic-wave effect on mice with induced changes of the functional state of the central nervous system

SOURCE: Patologicheskaya fiziologiya i eksperimental'naya terapiya, v. 9, no. 6, 1965, 72-73

TOPIC TAGS: animal experiment, UHF, electromagnetic radiation, radiation effect, central nervous system, nervous system drug

ABSTRACT: The effects of UHF were studied in mice with the CNS inhibited by medicinal (50 to 600 mg/kg doses) administered 10 min, 60 min, or 24 hr prior to UHF electromagnetic-wave irradiation and in mice with the CNS stimulated by caffeine (30 to 300 mg/kg doses) administered 1 hr prior to irradiation. The animals were irradiated by a LUCh-58 unit ( $\lambda = 12.6$ ,  $50 \text{ mw/cm}^2$ ) for 10 min, 15 min, or up to the moment of death. Survival rates of animals were used as an index. Findings show that following UHF i.radiation, a disinhibition reaction appears. Resistance of animals is increased with the CNS inhibited by medicinal, and resistance of animals

UDC: 616.831-001.21-092.9

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ACC NR: AP6001689

is reduced with the CNS excited by caffeine. Medinal doses of 100, 200, and 400 mg/kg increased survival, but doses of 50 and 600 mg/kg proved ineffective. With medinal administered 10 min prior to irradiation, the mortality rate of animals was higher than in control animals; but, administration of the same doses 24 hr prior to irradiation prolonged the lives of animals. The increased resistance to microwave irradiation produced by medinal appears to be related to its hypothermic effect. Orig. art. has: 1 table.

[06]

SUB CODE: 06, 07 / SUBM DATE: 20Jun64 / ORIG REF: 007 / ATD PRESS: 4/77

leb  
Card 2/2

ANTONOV, V.B.; PUKHOV, V.A. (Leningrad)

Role of the central nervous system and adrenals in adaptive processes in oxygen deficiency. Pat. fiziol. i eksp. terap. 6 no.4:25-28 Jl-Ag '62. (MIRA 17:8)

1. Iz kafedry patologicheskoy fiziologii (nachal'nik - deystvitel'nyy chlen AMN SSSR prof. I.R. Petrov) Voyenno-meditsinskoy ordens Lenina akademii imeni S.M. Kirova.

PUKHOV, V.I.

On effective radiation temperatures. Zhur.tekh.fiz.26 no.1:  
149-156 Ja '56. (MIRA 9:6)  
(Radiation) (Heat--Radiation and absorption)

PUKOV, V.I.

SUBJECT USSR / PHYSICS  
AUTHOR PUCHOV, V.I.  
TITLE On the Average Effective Length of a Beam.  
PERIODICAL Žurn. techn. fis., 26, fasc. 5, 1080-1093 (1956)  
Issued: 6 / 1956 reviewed: 10 / 1956

CARD 1 / 2

PA - 1328

The "average effective beam length"  $\bar{l}$  is the radius of that hemisphere (filled with radiating gas) in the center of which the same specific flux of radiation energy  $q$  exists as in an individually studied case (?). For  $\bar{l}$  a general formula is derived.  $\bar{l}$  may have different values at different points of the interior surface of the radiating volume. In the course of technical computation tables of  $\bar{l}$  are often used, but the values contained therein often deviated from the values computed in consideration of the parameter  $kpl$ . Here  $k$  denotes the average coefficient of the absorption of radiation,  $p$  - partial pressure of the radiated gas,  $l$  - thickness expressed in meters of the radiating layer of gas. For the exact computation of the heat yield by radiation the dependence of the average effective length  $\bar{l}$  on the product  $kpl$  for some special cases is here determined:

Spherical radiation on the interior surface: It is found that

$\bar{l} \text{ (sphere)} = (-2,3D/x)\lg \left\{ (1-e^{-x} - xe^{-x}) (2/x^2) \right\}$ . Here  $D$  denotes the diameter of the sphere and  $x$  the position of the investigated point on the  $x$ -axis. With values  $x = 0$  to  $x = 10$  the expression  $\bar{l} \text{ (sphere)} = (0,66 - 0,027x) D$  is sufficiently accurate for technical computations.

Next, formulae for  $\bar{l}$  for the basic center, any point on the basis, and for a point on the lateral surfaces of cylinders are given.

Žurn. techn. fis., 26, fasc. 5, 1080-1093 (1956) CARD 2 / 2 PA - 1328

There follows an estimation of the deviations of the values of  $\bar{I}$  computed by means of the formulae derived herefrom the values computed with the help of the tables.

Conclusions and summary:  $\bar{I}$  depends not only on the geometric properties (form and size) of the radiating spaces, but also on the partial pressure of the radiating gas and its radiation-absorbing coefficient.

Some practical instructions concerning the determination of  $\bar{I}$  in some special cases are then given. The formulae found are contained in a table, and the curves computed by means of these formulae are shown in a diagram.

INSTITUTION:

PUKHOV, V. I.: KREIVCSHT' YE. YE. and VNI ICHKIN, PA.

1940. Opty po izucheniyu yavleniy im uniteta pri monizazioze ovets. tam  
zhe, v. 8.

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343610005-8

TURKISH, W. J.

have been assigned to responsible intelligence and counterintelligence units. Mr. West, col.  
and Mrs. Smith, w. j.

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SEARCHED AND SERIALIZED  
K. J. Martin, Librarian, 1986, 7050, 1986  
American University Department of Statistics

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343610005-8"

RESHETNYAK, V. Z., PUKHOV, V. I., and KRIVOSHTA, Ye. Ye.

Materialy k Poznaniyu Immunologicheskoy Diagnostiki pri Diktiokauleze  
Ovets, "Works on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat,  
Akad. Nauk, SSSR, 1953, p. 572  
Stavropol' Sci. Res. Veterinary Experiment Station

PUKHOV, V.I., professor; ZINICHENKO, I.I.; PAKHAR'KOV, A.G.

Basic methods of the elimination of coenurosis and echinococcosis  
in sheep. Veterinariia 33 no.4:31-34 Ap '56. (MLRA 9:7)

1.Stavropol'skaya krayevaya nauchno-issledovatel'skaya veterinarnaya  
opytnaya stantsiya.  
(Sheep--Diseases) (Worms, Intestinal and parasitic)

L 22433-66 EWT(d)/EWP(y)/T/EWP(k)/EWP(h)/EWP(l)/ETC(m)-5 TCH/JT

ACC NR: AP6013628

SOURCE CODE: UR/0104/65/000/009/0068/0071

3  
6

AUTHOR: Pukhov, V. I. (Chief)

ORG: Power and Electrical-Engineering Section, State Committee for Inventions and Discoveries SSSR (Otdel energetiki i elektrotehniki Goskomiteta po delam izobreteniy i otkrytiy SSSR)

TITLE: Soviet invention law and its application

SOURCE: Elektricheskiye stantsii, no. 9, 1965, 68-71

TOPIC TAGS: scientific policy, economics

ABSTRACT: After stressing the fact that every citizen of the Soviet Union has the right to claim new inventions, the author outlines: 1) the main provisions of the Soviet "Regulations concerning discovery, invention, and innovation proposals"; 2) the procedures for the submission of such claims; 3) the processing procedures of such claims; and 4) cases which should not be openly published. [JPRS]

SUB CODE: 05 / SUBM DATE: none

Card 1/1 ALG

UDC: 347.778

PUKHOV, V.P.

Development of obstetrical aid in Yaroslavl Province. Vop.  
okh. mat. i det. 7 no.1:85-89 Ja '62. (MIRA 15:3)

1. Izkafedry akushero*t*v*a* i ginekologii (zav. - prof. Ye.K.  
Aleksandrov) Yaroslavskogo meditsinskogo instituta (dir. - prof.  
N.Ye. Marygin).  
(YAROSLAVL PROVINCE--OBSTETRICS)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343610005-8

MADERA, G.I., inzh.; PUKHOV, V.V., inzh.

Building school workshops with students' labor. Politekh.  
obuch. no.6:51-59 Je '59. (MIRA 12:12)  
(Workshops)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001343610005-8"

VERSTIN, Grigoriy Il'ich; PUKHOV, Valeriy Vyacheslavovich; VORONINA,  
T.V., red.izd.-va; SHERSTNEVA, N.V., tekhn. red.; KOSHELEV,  
A.Ye., tekhn. red.

[Building schools and preschool institutions in rural areas]  
Stroitel'stvo shkol i doshkol'nykh uchrezhdenii v sel'skoi  
mestnosti. Moskva, Gosstroizdat, 1963. 191 p.  
(MIRA 16:11)

(Rural schools--Design and construction)

PUKHOV, Ye.M., kand.tekhn.nauk, dots.

Economic operational system for transformers used at consumer sub-  
stations. Trudy RIIZHT no.26:90-95 '58. (MIRA 12:3)  
(Electric transformers) (Electric substations)

PUKHOV, Ye.M., kand.tekhn.nauk (Rostov-na-Donu); FIGURNOV, Ye.P., kand.  
tekhn.nauk (Rostov-na-Donu).

Synchronous electric engines as a means of increasing the power  
coefficient. Zhel.dor.transp. 39 no.9:77-78 S '57. (MIRA 10:10)  
(Electric locomotives)

Printed . . .

PETROV, V. I. -- "Analytic Method of Calculating Heat Exchange in Furnaces at the Different Temperatures of Emission (Radiation)" 31. 13 Dec 52,  
Honour Order of Lenin Power Engineering Institute V. M. Makarov.  
(Dissertation for the Degree of Candidate in Technical Sciences)

TO: Voroshilovgrad, Moscow, January-December, 1952

PUKHOV, Yu.

Book about the combat action of Soviet submarines ("Submariners."  
Reviewed by IU.Pukhov). Sov.mor.16 no.16:22 Ag '56. (MIRA 10:1)  
(Submarine boats)

USSR/Electricity - Literature  
Traction

May 53

"Review of A. Ye. Alekseyev's Book 'Electric Traction Motors,'" (Docent Ye. M. Pukhov, Cand Tech Sci, and V. A. Glebsov, Cand Tech Sci, Rostov Inst of Railroad Transport Engrs, reviewers)

Elektrichestvo, No 5, p 96

Alekseyev's book ("Tyagovyye elektrosvigateli," published by Transzheldorizdat, 1951, 484 pp), authorized as text for course in elec transport at railway transport insts, is favorably reviewed.

258T44

Reviewer notes several deficiencies but states that this would be a model textbook if they were eliminated.

SOLOD, G.I., kand.tekhn.nauk; FUKHOV, Yu.S., gornyy inzh.

Experimental study of a test model of the KLK-1 belt cable conveyer.  
Ugol' 39 no.11:34-38 N '64. (MIRA 18:2)

1. Moskovskiy institut radioelektroniki i gornoj elektromekhaniki.

PUKHOV, Yu.

Arkadii Gaidar; on the 15th anniversary of his death. Sov.voin  
38 no.20:25 0 '56. (MILRA 10:1)  
(Gaidar, Arkadii Petrovich, 1904-1941)

V V TUKHOV, B N SHVETSOV, K I ALMAZOV-DOLZHENKO and V YE SOGRESHILINA

"Development of Procedure and Apparatus for Calibration of the Power  
Radiated by Noise Generators in the Band from 2.9 to 12cm" from Annotations of  
Works Completed in 1955 at the State Union Sci. Res. Inst: Min. of Radio Engineering  
Ind.

So: B-3,080,964

PUKHOV, V. I.

Pukhov, V. I., Velichkin, P. A., and Krivoshta, Ye. Ye. "A study of methods of radical prophylaxis in delafondiosis, al'fortiosis, and trichinonematosis of horses kept in herds", (Report 2), Sbornik rabot po gel'mintologii (Vsesoyuz. in-t gel'mintologii im. akad. Skryabina), Moscow, 1948, p. 185-88.

SO: U-3042, 11 March 53, (Letopis'nykh Statey, No. 10, 1949).

ACC NR: AR6032313 SOURCE CODE: UR/0081/66/000/010/S035/S035

AUTHOR: Moshchinskaya, N. K.; Ogiy, M. S.; Pukhova, L. A.

TITLE: The synthesis of epoxy resins with anthracene derivatives

SOURCE: Ref. zh. Khimiya, Part II, Abs. 10S238

REF SOURCE: Khim. tekhnologiya. Resp. mezhved. nauchno-tekhn. sb. vyp. 2, 1965, 106-109

TOPIC TAGS: anthracene, resin, epoxy resin, anthracene compound

ABSTRACT: Epoxy resins based on anthracene, which had not been previously reported in literature, were synthesized. Use was made of anthracenephenoformaldehyde and anthracenetoluolphenolformaldehyde resins, which have been synthesized and studied before. A study was made of the effect of the characteristics of anthracene resins, i. e., of the ratios of the basic reaction components and the temperature on the quality and yield of epoxy resins. Samples were obtained and some of the physicochemical properties of the compounds on the basis of synthesized epoxy resins with maleic anhydride were studied. The compounds

Card 1/2

ACC NR: AR6032313

were found to have good adhesion to various metals and to glass. It was also shown that the synthetic epoxy resins are suitable for use as cement and a binder for glass reinforced plastic. [Translation of abstract]

SUB CODE: 071

Card 2/2

R. M. DUKY VA

"Apparatus for Visual Observation of the Charts of Electric Field Distribution in Planar and Cylindrical Multiresonator Systems" from Annotations of Works Completed in 1955 at the State Union Sci. Res. Inst. Min. of Radio Engineering Ind.

So: B-3,080,964

PUKHOVA, G. F.

"On the Problems of the Automatic Reconnection of Individual Lines in the Case of Electric Transmission with Bilateral Feed." Official opponents: V. A. Voronov, Professor, Doctor of Technical Sciences and I. D. Kutyavian, Candidate of Technical Sciences.

Dissertation for the Degree of Candidate of Technical Sciences, Defended at Sverdlovsk-Mining Institute, imeni Vekhushchev, 26 March 1947. (Elektrichestvo, 1958, Nr 5, pp 91-92) *Kirillov*

PEROVA, A.A., dozent, kand. tekhn. nauk; PUFCHOVA, N.D., kand. tekhn. nauk;  
SHEVANDIN, M.A., inzh.

Correlation of the dynamic stresses in the truck frames and springs  
of VL8 electric locomotives. Trudy MIIT no.207:151-161 '65.  
(MIRA 19:1)

AUTHORS: Bukhovets, S.V., Pukhova, N.K. 30V / 78-3-7-42/44

TITLE: A Complex Compound of Platinum With a Diphenylacetylene Substituent ("Addent") in the Inner Sphere (Kompleksnoye soyedineniye platiny s difenilatsetilenom vo vnutrenney sfere)

PERIODICAL: Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 7, pp 1714-1715 (USSR)

ABSTRACT: By reduction of  $[(C_2H_5)_3NH]_2 [PtCl_6]$  with hydrazine,  $[(C_2H_5)_3NH]_2 [PtCl_4]$  was obtained. This compound was brought into reaction with a diphenylacetylene substituent ("addent"). Reaction took the following course:  
$$[(C_2H_5)_3NH]_2 PtCl_4 + C_6H_5-C\equiv C-C_6H_5 \longrightarrow$$
$$[(C_2H_5)_3NH] [PtCl_3 \cdot C_6H_5-C\equiv C-C_6H_5] + [(C_2H_5)_3NH]Cl$$
Triphenylacetylene and chloroplatinite-triethylamine were treated at equimolar ratio in a chloroform medium at 50-60° C during 5 - 6 days. The following is finally produced as a yellow powder:  $[(C_2H_5)_3NH] \cdot [PtCl_3(C_6H_5-C\equiv C-C_6H_5)]$ . The yield is

Card 1/2

A Complex Compound of Platinum With a Diphenylacetylene Substituent ("Addent") in the Inner Sphere SOV/ 78-3-7-42/44

34%. Analysis of this compound gave the following results:  
Pt = 33.70%, N = 2.75-2.71%, Cl = 18.67%, V = 40.85-41.27%,  
H = 4.58-4.67%. There are 3 S with 14 references.

SUBMITTED: January 13, 1958

1. Complex compounds--Reduction
2. Complex compounds--Chemical reactions
3. Complex compounds--Synthesis
4. Platinum--Properties
5. Chloroform--Applications

Card 2/2

BUKHOVETS, S.V.; PUKHOVA, N.K.

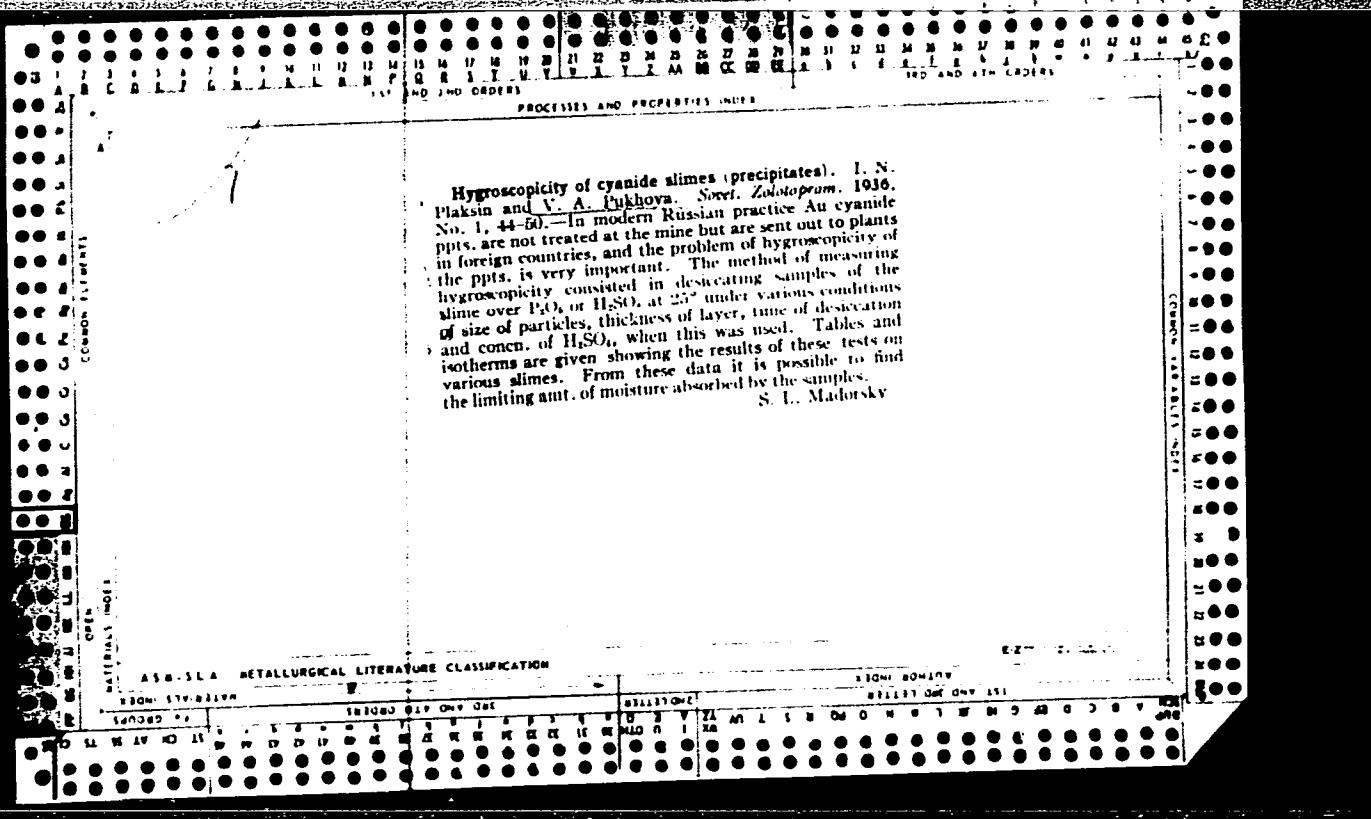
Platinum complexes containing diphenylacetylene in the inner sphere. Zhur. neorg. khim. 3 no.7:1714-1715 J1 '58. (MIRA 11:9)  
(Platinum organic compounds) (Acetylene)

CA

Hygroscopicity of cyanide slimes (precipitates). I. N. Plaksin and V. A. Pukhova. Sovet. Zolotoznam. 1936, No. 1, 44-50. In modern Russian practice An cyanide ppts. are not treated at the mine but are sent out to plants in foreign countries, and the problem of hygroscopicity of the ppts. is very important. The method of measuring hygroscopicity consisted in desiccating samples of the slime over  $P_2O_5$  or  $H_2SO_4$  at 25° under various conditions of size of particles, thickness of layer, time of desiccation and concn. of  $H_2SO_4$ , when this was used. Tables and isotherms are given showing the results of these tests on various slimes. From these data it is possible to find the limiting amt. of moisture absorbed by the samples.

S. L. Madorsky

450 514 METALLURGICAL LITERATURE CLASSIFICATION



PETROV, K.D.; LAGUCHEVA, Ye.S.; PUKHOVA, V.I.

Preparation and properties of 1,3-dioxyethyltetra hydro-1,3-diazine and 2-phenyloxazolidine. Zhur. ob. khim. 23 no.10:1771-1775 0 '53. (MIRA 6:11)

1. Nauchno-issledovatel'skiy institut plasticheskikh mass.  
(Diazines) (Oxazolidine)

USSR/ Chemistry Reaction processes

Card : 1/1 Pub. 151 - 31/35

Authors : Petrov, K. D., Lagucheva, E. S., and Pukhova, V. I.

Title : Reaction of N-(2,5-dichlorophenyl)-oxazolidine with formaldehyde

Periodical : Zhur. ob. khim. 24, Ed. 7, 1248 - 1250, July 1954

Abstract : The reaction of N-(2,5-dichlorophenyl)-oxazolidine with formaldehyde, in the presence of HCl, resulting in the formation of 4,4'-di-(oxazolidyl-N)-2,2',5,5'-tetrachlorodiphenylmethane, is discussed. The effect of Cl-atoms of N-(2,5-dichlorophenyl)-oxazolidine on the reaction of the latter with formaldehyde which, as is known, reacts with halide atom-free N-phenyloxazolidine, is explained. The experimental part is described in detail. Three USSR references.

Institution : Scientific-Research Institute of Plastic Materials

Submitted : February 5, 1954

PUKHOVA, V. I.

5

Reaction of ethylene chlorohydrin with 2,5-dichloroaniline  
and aniline: K. D. Petrov, E. S. Logacheva, and V. I. Pukhova  
*J. Gen. Chem. U.S.S.R.* 24, 1837-9 (1954) Eng. transl. (1)

Pukhova See C.A. 49, 12314. B.M.R.

RAJ  
JAN

PUKHOVA, V.I.

USSR/Chemistry

Card 1/1 : Pub. 151 - 24/42

Authors : Petrov, K. D.; Lagucheva, E. S.; and PUKHOVA, V. I.

Title : Reaction of ethylene chlorohydrin with 2,5-dichloro aniline and aniline

Periodical : Zhur. ob. khim. 24/9, 1602-1605, Sep 1954

Abstract : The question of whether 2,5-dichloro aniline reacts with ethylene oxide at the moment of its formation and the reaction between ethylene chlorohydrin with aniline were investigated. Experiments showed that the formation of N-ethanol-2,5-dichloroaniline from 2,5-dichloro aniline and ethylene chlorohydrin takes place through direct exchange of the halide by an amino group. The formation of ethanol aniline derivatives from aniline and ethylene chlorohydrin in the presence of chalk and sodium hydroxide is explained. Eleven references: 8-USSR; 2-German and 1-USA (1889-1953). Table.

Institution : Scientific Research Institute of Plastics

Submitted : February 9, 1954

AUTHORS: Petrov, K. D., Gosteva, O. K., and Pukhova, V. I. 79-12-11/43

TITLE: Reaction of 3 - Phenyloxazolidine with Phenol, 2,6 - Dimethylphenol and 2,4 - Dimethylphenol  
(Vzaimodeystviye 3 - feniloksazolidina s fenolom, 2,6 - dimetilfenolom i 2,4 - dimetilfenolom)

PERIODICAL: Zhurnal Obshchey Khimii 1957, Vol. 27, Nr 12, pp. 3218-3220  
(USSR)

ABSTRACT: The reaction of oxazolidines with phenol is not described in technical literature. The effect of phenyloxazolidine on 2,4 - dimethylphenol, 2,6 - dimethylphenol and phenol was investigated in detail. By heating 3 - phenyloxazolidine with 2,4 - dimethylphenol the authors obtained 2,4 - dimethyl - 6 - ( $\beta$  - oxyethylphenylaminomethyl) - phenol as brown viscous oil (supposed reaction - see formula!). This product is soluble in alkaline which indicates at a free hydroxide and makes probable the given structure. The reaction of 3 - phenyloxazolidine with 2,6 - dimethylphenol resulted in 2,6 - dimethyl - 4 ( $\beta$  - oxyethylphenylaminomethyl) - phenol which is also soluble in alkaline. As to the reaction of 3 - phenyloxazolidine with phenol the formation of three compounds is possible - with one, two and three parts of 3 - phenyloxazolidine. The compound of

Card 1/2

Reaction of 3 - Phenylloxazolidine with Phenol, 2,6 - Dimethyl- phenol and 2,4 - Dimethylphenol 79-12-11/43

phenol with three parts of phenylloxazolidine soluble in alkali which corresponds to the elementary formula

$C_{33}H_{39}O_4N_3$  (see structural formulae!) was precisely investigated. The simple phenolethers (e.g. anisole) with which the hydrogen atom is substituted by alkyl do not react with 3 - phenylloxazolidine. The reaction of oxazolidines with mesomethylenpolyphenoles occurs under the formation of resinous products which can practically be used.

There are 5 references, 1 of which is Slavic.

ASSOCIATION: Scientific Research Institute for Plastics (Nauchno - issledovatel'skiy institut plasticheskikh mass)

SUBMITTED: November 15, 1956

AVAILABLE: Library of Congress

1. Oxazolidines - Chemical reactions
2. Phenols - Chemical reactions

Card 2/2

FUKHOV, V.I.

Soviet patent law and its application. Bieg. sta 36 no.9:68-71 S  
(MIRA 18:9)  
'65.

I. Nachal'nik otdela energetiki i elektrotekhniki Gosudarstvennogo  
komiteta po delam Isobreteniy i otkrytiy SSSR.

PETROV, K.D.; LAGUCHEVA, Ye.S.; PUKHOVA, V.I.

Synthesis and properties of  $\beta$ -amino- and  $\beta$ -arylaminoethoxysilanes.  
Zhur. o... khim. 30 no.9:3015-3017 S '60. (MIRA 13:9)  
(Silane)

S/079/60/030/009/010/015  
3001/B064

53700 2209

AUTHORS: Petrov, K. D., Lagucheva, Ye. S., Pukhova, V. I.

TITLE: Synthesis and Properties of Beta Amino- and Beta Arylamino-  
ethoxy Silanes

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 9, pp.3015-3017

TEXT: K. A. Andrianov and M. V. Sobolevskiy (Ref. 1) describe  $\beta$ -aminoethoxy silane which was synthesized by reacting ethanol amine with tetraethoxy silane in an aqueous medium. The authors synthesized the following new representatives of this series: methylvinyl-di-( $\beta$ -aminoethoxy) silane, methylvinyl-di-( $\beta$ -2,5-dichloro-phenyl aminoethoxy) silane, methylvinyl-di-( $\beta$ -phenyl aminoethoxy) silane, tetra-( $\beta$ -phenyl aminoethoxy) silane, and tetra-( $\beta$ -2,5-dichlorophenylaminoethoxy) silane. These compounds were synthesized by reacting methylvinyl diethoxy silane and tetraethoxy silane with the corresponding  $\alpha$ -amino alcohols according to the scheme  $\checkmark$

Card 1/2

Synthesis and Properties of Beta Amino- and  
Beta Arylaminoethoxy Silanes

S/079/60/030/009/010/015  
B001/B064

$R_2Si(OCH_2CH_3)_2 + 2R'NHCH_2CH_2OH \xrightarrow{CH_3ONa} R_2Si(OCH_2CH_2NHR')_2 + CH_3CH_2OH;$   
(R = CH<sub>3</sub>, CH = CH<sub>2</sub>, OCH<sub>2</sub>CH<sub>3</sub>; R' = H<sub>2</sub>C<sub>6</sub>H<sub>5</sub>, C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>). The products obtained are thick oils. Methylvinyl-di(2,5-dichlorophenylaminoethoxy)silane tends to polymerization. Methylvinyl diethoxy silane was synthesized according to A. D. Petrov and collaborators (Ref. 2). Sodium methylate was used as a catalyst. Details are given in a table. There are 1 table and 2 Soviet references.

SUBMITTED: August 15, 1959

X

Card 2/2

from: RUSIA

VORONKINA, Ye.F.; KAVITSKAYA, T.M.; PUKHOVA, V.P.

Acute course of disseminated sclerosis. Zhur.nevr. i psikh.  
Supplement:17 '57. (MIRA 11:1)

1. Klinika nervnykh bolezney i neyrokhirurgii (zav. - prof. V.A.  
Nikol'skiy) Rostovskogo-na-Donu meditsinskogo instituta.  
(SCLEROSIS, MULTIPLE)

IVANOV, Yevgeniy Mikhaylovich, starshiy prepodavatel'; PUKHOVA, Varvara  
Yevgen'yevna, assistentka

Surface effect in cylindrical ferromagnetic bodies. Izv. vys.  
ucheb. zav.; elektromekh. 7 no.7:781-796 '64.

(MIRA 18:5)

1. Kafedra elektricheskikh stantsiy, setey i sistem Novocherkasskogo  
politekhnicheskogo instituta (for Ivanov). 2. Kafedra izmeritel'noy  
tekhniki Novocherkasskogo politekhnicheskogo instituta (for Pukhova).

IVANOV, Yevgeniy Mikhaylovich, starshiy prepodavatel'; PUKHOVA, Varvara  
Yevgen'yevna, assistentka

Calculation of the surface effect phenomena in solid ferro-  
magnetic cylinders. Izv.vys.ucheb.zav.; elektromekh. 8 no.3:  
261..269 '65. (MIRA 18:5)

1. Kafedra elektricheskikh stantsiy, setey i sistem Novocherkas-  
skogo politekhnicheskogo instituta (for Ivanov). 2. Kafedra  
izmeritel'noy tekhniki Novocherkasskogo politekhnicheskogo  
instituta (for Pukhova).

PUKHOVICH, R. M.

✓ 7150. Production of jaundice by hydroxylamine in insects. S. M. Gerasenzon, E. P. Iakushkina, and R. M. Pukhovich. *Mikrobiol.*, 1955, 24, 223-228; *Referat. Zh. biol. KHNK*, 1955, Abstr. No. 15650.—Feeding oak silk worms on leaves moistened with hydroxylamine soln. leads to a jaundice in the majority of the individuals; but this effect can also result from an abnormal environment, and

is not necessarily sp. to hydroxylamine therefore it may be due to a general weakening of the animals produced by starvation arising from the distaste of the animals for the treated food. (Russian)

T. R. PARSONS

Inst. Zool., AS UkrSSR, Kiev

PESIN, L.M.; DERKOVSKAYA, I.L.; GOLODNIAYA, S.L.; PUKHOVITSKAYA, A.N.;  
AKOP'DI HANYAN, E.A.

Removal of formaldehyde from the waste waters of the production  
of carbamide resins. Plast. massy no. 5:58-60 '64.  
(MIRA 17:12)

ACCESSION NR: AP4009830

S/0191/64/000/001/0017/0019

AUTHORS: Akutin, M.S.; Derkovskaya, I.L.; Pukhovitskaya, A.N.

TITLE: Properties of epoxy resins based on some aromatic amines

SOURCE: Plasticheskiye massy\*, no. 1, 1964, 17-19

TOPIC TAGS: amines, amine derivatives, aromatic amines, aniline derivative epichlorohydrin, resin hardeners, anhydride derivatives, polyethylene polyamine, 4,4'-diaminodiphenylmethane, m-phenylene diamine, low molecular weight polyamide, p-toluidine, dielectric properties of resin, thermal stability

ABSTRACT: The thermal deformation of epoxy amaniline resins hardened with various hardeners, such as anhydrides, polyethylene polyamine, 4,4'-diaminodiphenylmethane, m-phenylenediamine and low-molecular weight polyamide L-20 at an optimum amount of 25-30% by weight of resin is investigated. The addition of hardener increased the temperature of thermal degradation to 110-140°C. Best results are obtained with m-phenylene diamine (180-200°C) and with

Card 1/2

ACCESSION NR: AP4009830

4,4'-diaminodiphenylmethane ( $175^{\circ}\text{C}$ ). The physico-mechanical and dielectric properties are also tabulated when maleic anhydride and polyethylenepolyamine were used as hardeners for various resins. It was found that the resin based on 4,4'-diamino diphenylmethane and epichlorohydrin has the best properties, and hardened with maleic anhydride or 4,4'-diaminodiphenylmethane, it is thermally stable up to  $300^{\circ}\text{C}$ . Thermodynamic curves obtained on a consistometer are given. Orig. art. has: 5 figures, 1 table.

ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 10Feb64 ENCL: 00

SUB CODE: MA, CH NO REF Sov: 002 OTHER: 009

Card 2/2

Pukhovitskaya, Z.N.

USSR/General Problems. Methodology, History, Scientific Institutions and A  
Conferences, Instruction, Questions Concerning Bibliography and  
Scientific Documentation.

Abs Jour: Referat. Zhurnal Khimiya, No 2, 1958, 3460.

Author : N.A. Smirnov, A.S. Yablonskiy, V.A. Fefilov, Z.N. Pukhovitskaya,  
Ya. M. Koldobskiy.

Inst :  
Title : Development of Leningrad Bread Baking Industry.

Orig Pub: in symposium: Pishchevaya prom-st', L., Sel'khozgiz, 1957,  
23-41.

Abstract: No abstract.

Card : 1/1

-11-

FRIDMAN, E.L.; KOMAROVA, Ye.P.; PUKHOVITSKIY, V.R.

Air cyst of the small intestine. Khirurgiia no.10:87 O '55.(MLPA 9:2)

1. Iz khirurgicheskogo otdeleniya gorodskoy bol'nitsy Aleksandrovsk-na-Sakhaline.

( INTESTINES--TUMORS) (CYSTS)

10000, U.S. (Navy, K-1); 10000, U.S. (Pavlovsk), M-1.

Translated heat-resistant alloy. Ref. 4. M-850. Des. Sib.-tekhn.  
Sov. Invent. No. 117-113. '63.

GOREV, K.V. [Горев, К.В.]; POKROVSKIY, Ye.P. [Покровский, Е.П.]

Heat-resistant properties of some nickel alloys at corresponding  
temperatures. Vestsi AN BSSR. Ser. fiz.-tekhn. nav. no.4:111-114  
'62. (MIRA 18:4)

SHEYNIN, B.M.; PUKHOVITSKAYA, Z.N.

Some economic questions of the baking industry in Leningrad. Khleb.i  
kond.prom. 1 no.10:9-11 O '57. (MIRA 10:11)

1. Leningradskiy trest khlebopekarnoy promyshlennosti.  
(Leningrad--Bakers and bakeries)

PUKHOVOY, N. D., ENGINEER

"Investigation of Horizontal Vibrations of the 2-4-2-High-Speed Electric Locomotive."  
Thesis for degree of Cand. Technical Sci. Sub 15 Jun 49, Moscow Order of the Labor  
Red Banner Electromechanical Inst of Railroad Engineers imeni F. E. Dzerzhinskiy.

Summary 82, 18 Dec 52, Dissertations Presented for Degrees in Science and Engineering  
in Moscow in 1949. From Vechernaya Moskva, Jan-Dec 1949.

FOR INFORMATION, . . .

"Orel'skaya Oblast (Economic-Geographical Characteristics)." Can. Sc. Sci., Moscow City Pedagogical Inst., Moscow, 1954. (228.50, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

GOREV, K.V. [Horau, K.V.]; PUKHOVSKIY, Ye.P. [Pukhouski, IA.P.]

Heat-resistant properties of nickel alloys. Vestsi AN BSSR. Ser. Fiz.-  
tekhn. nav. no.2:82-85 '63. (MIRA 17:1)

ПУНКОВСКИЙ, Я.Ф.

Heat-resistant properties of alloyed nichrome at corresponding  
temperatures. Сбор. науч. труд. Физ.-техн. инст. АН БССР №.7:  
157-160 '61. (MIRA 15:7)  
(Nickel-chromium alloys--Thermal properties)

GOBEV, K.V. (Гобев, К.В.); PUKHOVSKIY, Ye.P. (Пуховский, Е.П.)

Heat-resistant properties of some nickel alloys at corresponding  
temperatures. Vestsi AN NSSR. Ser. fiz.-tekhn. nav. no.4 1984-1984  
'62.

DITMAR, A.B., otv.red.; VELIKANOV, D.A., red.; VOSKOBOTNIKOVA, S.M.,  
red.; YAKOVLEV, K.F., red.; PUKHOVTSEVA, A.N., red.; KHODINOVA,  
V.P., tekhn.red.

[Nature and economy of Yaroslavl Province] Priroda i kho-  
ziaistvo Yaroslavskoi oblasti. Yaroslavl', Yaroslavskoe  
knizhnoe izd-vo. Part 2. [Economy] Khoziaistvo. 1959. 230 p.  
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